

**Amendments to the Claims:** This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

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1-60. (Canceled)

61. (Previously Presented) A method for increasing an adventitial area of tissue comprising:

administering a therapeutically effective amount of a photoactivatable agent to a subject, such that the agent is taken up by the adventitial area of a target tissue;

applying energy to the target tissue to react within the photoactivatable agent; and

increasing an adventitial area in the area of the target tissue.

62. (Previously Presented) The method of claim 61, wherein the step of administering a therapeutically effective amount of a photoactivatable agent further comprises systemically administering the photoactivatable agent.

63. (Previously Presented) The method of claim 61, wherein the step of administering a therapeutically effective amount of a photoactivatable agent further comprises locally administering the photoactivatable agent.

64. (Previously Presented) The method of claim 61, wherein the step of administering a therapeutically effective amount of a photoactivatable agent further comprises administering a psoralen agent or derivatives thereof.

65. (Previously Presented) The method of claim 61, wherein the step of applying energy to the target tissue further comprises irradiating the target tissue internally using a light delivery catheter.

66. (Previously Presented) The method of claim 65, wherein the step of applying energy to the target tissue further comprises irradiating the target tissue using a light delivery catheter without occluding fluid flow.

67. (Previously Presented) A method for increasing an adventitial area of tissue comprising:

administering a therapeutically effective amount of a photoactivatable agent to a subject, such that the agent is taken up by the adventitial area of a target tissue;

applying energy to the target tissue to react within the photoactivatable agent; and

increasing an adventitial area in the area of the target tissue, wherein the step of applying energy to the target tissue further comprises irradiating the site of an aneurysm externally using an external light delivery source.

68. (Previously Presented) The method of claim 61, wherein the step of applying energy to the target tissue further comprises irradiating the target tissue with UV irradiation.

69. (Previously Presented) A method for treating tissue of a subject comprising,

applying an agent and irradiating a target region of tissue with UVC irradiation to accomplish an interaction between the agent and the UVC irradiation; and

inducing fibrosis or increasing an adventitial layer in at least one layer of the tissue;

wherein the step of irradiating the target region further comprises irradiating the target region externally using an external light delivery source.

70. (Currently Amended) ~~The A method of claim 69~~ for treating tissue of a subject comprising,

applying an agent and irradiating a target region of tissue with UVC irradiation to accomplish an interaction between the agent and the UVC irradiation; and

inducing fibrosis or increasing an adventitial layer in at least one layer of the tissue;  
wherein the step of irradiating the target region further comprises irradiating the target region internally using a light delivery catheter.

71. (Previously Presented) The method of claim 70, wherein the step of irradiating the target region further comprises irradiating the target region internally using a light delivery catheter without occluding fluid flow.

72. (Canceled)

73. (Previously Presented) The method of claim 69, wherein the step of irradiating the target region further comprises irradiating the target region with UVC irradiation having a wavelength of about 240 to 370 nanometers.